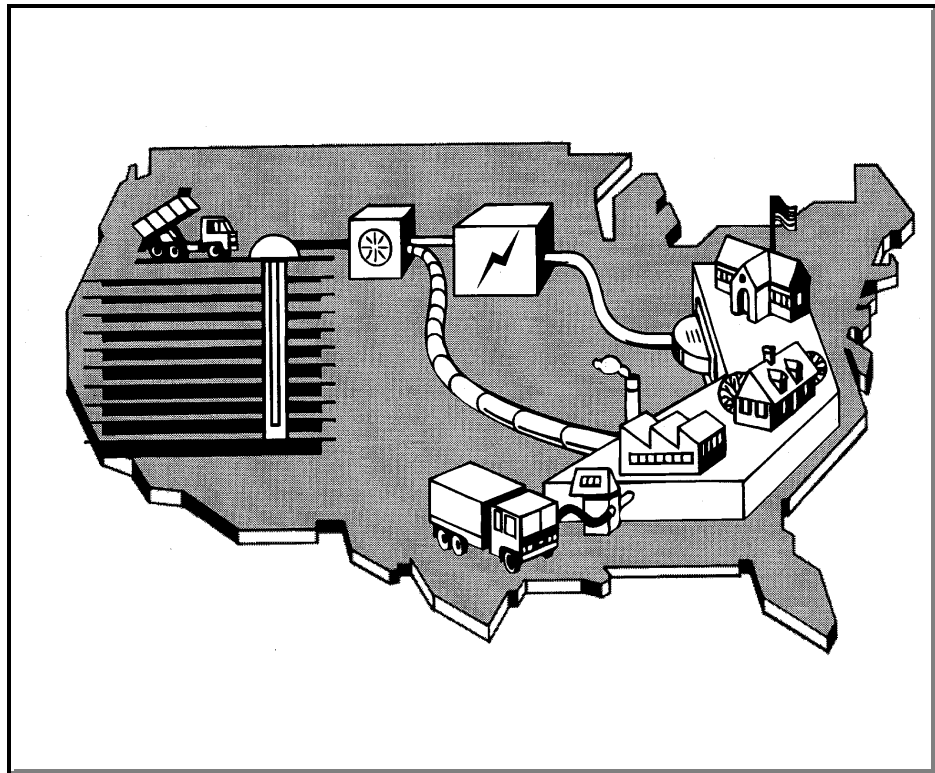




Landfill Gas-to-Energy Project Opportunities

Landfill Profiles for the State of Georgia



EPA Landfill Methane Outreach Program



The EPA Landfill Methane Outreach Program, a key component of the United State's *Climate Change Action Plan*, encourages the use of landfill gas (LFG) as an energy resource. EPA assists utilities, municipal and private landfill owners and operators, tribes, and state agencies in reducing methane emissions from landfills through the development of profitable landfill energy recovery projects. Methane captured from landfills can be transformed into a cost-effective fuel source for electricity, heat, boiler and vehicular fuel, or sale to a pipeline. EPA estimates there are approximately 200 landfill methane recovery projects in the U.S. and that up to 750 landfills could install economically viable landfill energy projects.

The Landfill Methane Outreach Program includes five important components: the State Ally, Energy Ally, Industry Ally, Community Partner, and Endorser programs. EPA establishes separate alliances with state agencies, energy providers (including investor-owned, municipal and other public power utilities and cooperatives), key trade and public sector associations, members of the landfill gas development industry (including developers, engineers, equipment vendors, and others) and local communities, municipalities and landfill owner/operators through a Memorandum of Understanding (MOU). By signing the MOU, each Ally/Partner acknowledges a shared commitment to the promotion of landfill gas-to-energy recovery at solid waste landfills, recognizes that the widespread use of landfill gas will reduce emissions of methane and other gases, and commits to undertake activities to enhance development of this resource. In return, EPA agrees to provide landfill gas-to-energy project assistance and public recognition of the Allies' and Partners' participation in the program.

Introduction

Since 1994 the U.S. EPA's Landfill Methane Outreach Program (LMOP) has participated in an ongoing effort to gather information on Municipal Solid Waste landfills (MSW). A key component of the LMOP is to provide MSW landfill owners and operators, project developers, utilities, and other potential project participants with information on MSW landfills that may offer attractive energy development opportunities. This document presents state specific landfill information, hereinafter referred to as the landfill profiles. These profiles are useful to evaluate the potential for developing landfill gas-to-energy projects (LFGTE). EPA assembled this information from state and local sources as well as various national solid waste publications, landfill owners and operators, and project developers.

The EPA has prepared a separate document to describe the methodology used to develop the state-specific landfill profiles and estimate the benefits of using LFGTE as an energy source. The document, *Landfill Gas-to-Energy Project Opportunities, Background Information on Landfill Profiles*, contains background information on gas collection and use, describes the data fields according to the five sections listed on the landfill profiles, and where applicable, illustrates calculations and default values used to derive estimates. EPA strongly recommends that users read the document prior to using the landfill profiles. Users can obtain the document by calling the LMOP hotline at 1-888-STAR-YES.

Data Sources

- EPA-ORD Landfill Gas Utilization-Survey (Thorneloe, 1997)
- Directory and Atlas of Solid Waste Disposal Facilities (SWA, 1994)
- Implementation Guide for Landfill Gas Recovery Projects in the Northeast (SCS, 1994)
- Landfill Gas-to-Energy 1994-1995 Activity Report (SWT, 1994)
- Methane Recovery from Landfill Yearbook (GAA, 1994)
- Project developers, landfill owners, and operators
- State and local records
- Survey of Landfill Gas Generation Potential (EPRI, 1992)
- U.S. Landfill Directory (SWANA, 1992)

Landfill Classification

To facilitate the use of available landfill information, EPA has categorized the landfills into five categories: Current Project,¹ Candidate Project, Shutdown, Other, and Unknown waste-in-place (WIP). These categories are based on the status of the landfill's LFGTE project(s) and WIP. The generation of methane is a function of many factors, the most critical being the amount of waste-in-place and the number of years the waste has been in the landfill. Peak methane generation occurs soon after closure; therefore, the longer the landfill has been closed, the less attractive it becomes for methane recovery. Based on the general timing of peak methane generation, EPA assumes that landfills that ceased accepting waste prior to 1993 have a low probability of generating enough methane to make a gas recovery project economical. Consequently, landfills need to be operating in 1993 to be considered as having a Candidate Project.

Landfill Categorizes

Current Project:

- Landfill with operational LFGTE project or landfill with LFGTE project under construction.

Candidate Project:

- Landfill with a potential or planned LFGTE utilization project; or
- Landfill is currently operating or closed after 1993; and has more than 1,000,000 tons of municipal solid waste-in-place.²

Shutdown:

- Landfill with shutdown LFGTE project.

Other:

- Landfill has less than 1,000,000 tons of municipal solid waste-in-place with no current or planned LFGTE project.

Unknown WIP:

- Landfill with insufficient data to determine the waste-in-place.

State Summary

State-specific landfill profile information is summarized in three exhibits. Exhibit 1 presents a summary of the state-specific potential for LFG utilization energy by landfill category. Exhibit 2 summarizes the emissions avoided by fossil fuel displacement for electricity generation and direct use projects. Exhibit 3 presents an index of the state-specific MSW landfills, referenced by category, landfill name and general characteristics.

¹ Current projects illustrate the wide range of successful project development options.

² By modeling the relationship between WIP and methane generation, a cut-off of 1,000,000 tons of WIP was established; landfills having at least 1,000,000 tons of WIP are considered candidate landfills.



Exhibit 1: Georgia MSW Landfill Summary

Category	No. of Landfills	Est. Capacity Potential		Est. CH4 Generation (mmscf/d)	Methane Reduction (tons/yr)		CO2 Equivalent of CH4 Reduction (tons/yr)	
		Electricity (MW)	Gas Capacity (mmBtu/hr)		Potential	Current	Potential	Current
Current	4	16	161	5	29,683	18,501	623,351	388,523
Candidate	16	55	553	18	102,311	19,658	2,148,531	412,808
Other	9	14	136	4	25,138	0	527,898	0
Unknown WIP	4							
Total	33	85	850	27	157,132	38,159	3,299,780	801,331

Exhibit 2: Potential Georgia Emissions Avoided by Fossil Fuel Displacement

Category	Electricity Generation Project						Direct Use Project					
	CO2 (tons/yr)			SO2 (tons/yr)			CO2 (tons/yr)			SO2 (tons/yr)		
	Coal	Oil	Natural Gas	Coal	Oil	Natural Gas	Coal	Oil	Natural Gas	Coal	Oil	Natural Gas
Current	126,284	103,648	69,695	798	667	0	89,387	73,365	49,332	813	428	1
Candidate	437,259	358,883	241,318	2,764	2,310	0	308,096	252,871	170,034	2,803	1,474	2
Other	106,552	87,453	58,805	674	563	0	75,700	62,131	41,778	689	362	0
Unknown WIP												
Total	670,095	549,984	369,817	4,236	3,540	0	473,183	388,367	261,143	4,306	2,263	3

Exhibit 3: Index of Landfills in Georgia

Category	Landfill Name	WIP			Landfill Operating in 1998	LFG Collected	LFG Utilization Project	Status of LFGTE Project
		<2.5 million tons	2.5 to 4 million tons	>4 million tons				
Current	Macon Landfill	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Operational
Current	Richmond County-Dean Bridge Road L	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Operational
Current	Southern States-Bolton Road	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Operational
Current	WMI-BJ Landfill Phase 3&4	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Operational
Candidate	Arnold Road LF	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Potential
Candidate	Atlanta-Gun Club Road	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Unknown
Candidate	Atlanta-Key Road	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Unknown
Candidate	Baker Place Road	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Potential
Candidate	BFI-Roberts Road	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Planned
Candidate	Chambers-Bolton Road	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Planned
Candidate	City of Forsyth-Old Brent Road, Phase I	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	None
Candidate	Columbus-Schatulga Road W Fill Phas	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Planned
Candidate	Fayette County Landfill	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Potential
Candidate	Fleming/Gaissert Road	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	None
Candidate	Hall County-Allen Creek Phase A	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	None
Candidate	Seminole Road Phase II	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Candidate	Speedway-SR 324 Site I	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Planned
Candidate	UWL Inc-Richland Creek Road	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Planned
Candidate	Watts Road LF	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Planned
Candidate	WMI-Live Oak LF	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Planned
Other	Atlanta-Cascade Road	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Other	BFI-Hickory Ridge	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Other	Little Neck Road Phase II	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Other	Pecan Row MSW LF	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Other	Southern States-SR 90/SR 127 Charing	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Other	SR 247 Klondike	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Other	SR 294 Emerson MSW LF Phase II	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Other	SR 3 Lovejoy #2	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Other	U.S. 78 Phase I	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Unknown WIP	Dunlap Road Phase I	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Unknown WIP	Old Dixie Highway Phase II	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Unknown WIP	Old Dixie Highway Phase IV	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Unknown WIP	Toonigh-Hickory Flats Road	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown

Arnold Road LF			Landfill Category: Candidate	
A. GENERAL LANDFILL INFORMATION				
Landfill Owner:	USA Waste	Annual Acceptance Rate (tons):	138,613	
Landfill Owner Type:	Private	Year Annual Acceptance Rate Reported:	1998	
Alternative Landfill Name:	Button Gwinnett-Arnold Road Phase 3	Design Capacity (tons):	1,697,660	
City:	Lawrenceville	Acres Currently Landfilled (acres):		
County:	Gwinnett	Average Depth (feet):	40	
State:	GA	Waste-in-Place (tons):	1,282,907	
Year Open:	1989	1998 Waste-in-Place (tons):	1,603,633	
Year Closed:	1999			
B. LANDFILL GAS COLLECTION				
Estimated Methane Generation (mmscf/d):		0.83		
LFG Collection System Status:				
Current LFG Collected (mmscf/d):				
Collection and Treatment System Required Under NSPS/EG:		No		
C. LANDFILL GAS UTILIZATION				
Current Utilization:				
Utilization System Status:	Potential			
Utilization System Type:	Unknown			
Utilization System Start Year:				
Electric Utility Provider(s):				
Natural Gas Provider(s):				
Energy Purchaser(s):				
Capacity:	Electricity Generation Project (MW)	OR	Direct Use Project (mmBtu/hr)	
Estimated Potential Capacity:	3		26	
Current Capacity:				
Planned Capacity:	1.2		10	
Utilities in County: Buford Electrical Dept; Georgia Power Company; Jackson Electric Dept; Jackson Electric Member C				
D. ENVIRONMENTAL BENEFITS OF UTILIZATION				
	<i>Potential</i>		<i>Current</i>	
Methane Reduction (tons/yr):	4,788		0	
CO2 Equivalent of CH4 Reduction (tons/yr):	100,550		0	
Emissions Avoided by Fossil Fuel Displacement:	<i>Electricity Generation Project</i>		<i>Direct Use Project</i>	
	CO2 (tons/yr)	SO2 (tons/yr)	CO2 (tons/yr)	SO2 (tons/yr)
Coal:	20,521	130	14,419	131
Fuel Oil:	16,843	108	11,834	69
Natural Gas:	11,325	0	7,958	0
E. CONTACT INFORMATION				
Landfill Owner		Landfill Operator		
Contact Name:	Jerry Leone	Jerry Leone		
Mailing Address:	2236 Bolton Rd.	2236 Bolton Rd.		
Phone Number:	404-799-1047	404-799-1047		
Fax Number:	770-307-0934	404-799-1328		

* *Italicized indicates values estimated by EPA.*

Atlanta-Gun Club Road		Landfill Category: Candidate	
A. GENERAL LANDFILL INFORMATION			
Landfill Owner:	City of Atlanta	Annual Acceptance Rate (tons):	0
Landfill Owner Type:	Public	Year Annual Acceptance Rate Reported:	1998
Alternative Landfill Name:		Design Capacity (tons):	3,599,280
City:	Atlanta	Acres Currently Landfilled (acres):	60
County:	Fulton	Average Depth (feet):	80
State:	GA	Waste-in-Place (tons):	2,371,617
Year Open:	1977	1998 Waste-in-Place (tons):	2,766,887
Year Closed:	1997		
B. LANDFILL GAS COLLECTION			
Estimated Methane Generation (mmscf/d):		1.13	
LFG Collection System Status:		Operational	
Current LFG Collected (mmscf/d):			
Collection and Treatment System Required Under NSPS/EG:		No	
C. LANDFILL GAS UTILIZATION			
Current Utilization:			
Utilization System Status:	Unknown		
Utilization System Type:	Unknown		
Utilization System Start Year:			
Electric Utility Provider(s):			
Natural Gas Provider(s):			
Energy Purchaser(s):			
Capacity:	Electricity Generation Project (MW)	OR	Direct Use Project (mmBtu/hr)
Estimated Potential Capacity:	4		35
Current Capacity:			
Planned Capacity:	1.4		11
Utilities in County: Cobb Electric Membership Corp; College Park Elec Syst; Coweta-Fayette Elec Memb Coop; East Poi			
D. ENVIRONMENTAL BENEFITS OF UTILIZATION			
	<i>Potential</i>		<i>Current</i>
Methane Reduction (tons/yr):	6,508		0
CO2 Equivalent of CH4 Reduction (tons/yr):	136,674		0
Emissions Avoided by Fossil Fuel Displacement:	<i>Electricity Generation Project</i>		<i>Direct Use Project</i>
	CO2 (tons/yr)	SO2 (tons/yr)	CO2 (tons/yr) SO2 (tons/yr)
Coal:	27,625	175	19,599 178
Fuel Oil:	22,673	146	16,086 94
Natural Gas:	15,246	0	10,816 0
E. CONTACT INFORMATION			
Landfill Owner		Landfill Operator	
Contact Name:	Dave Peters, Chief Environmental Officer	Dave Peters, Chief Environmental Officer	
Mailing Address:	68 Mitchell Street, S.W. Suite 2400, City Hall South	68 Mitchell Street, S.W. Suite 2400, City Hall South	
Phone Number:	404-330-6250	404-330-6250	
Fax Number:	404-658-7552	404-658-7552	

Atlanta-Key Road		Landfill Category: Candidate	
A. GENERAL LANDFILL INFORMATION			
Landfill Owner:	City of Atlanta	Annual Acceptance Rate (tons):	0
Landfill Owner Type:	Public	Year Annual Acceptance Rate Reported:	1998
Alternative Landfill Name:		Design Capacity (tons):	
City:	Atlanta	Acres Currently Landfilled (acres):	
County:	Fulton	Average Depth (feet):	50
State:	GA	1989 Waste-in-Place (tons):	2,341,823
Year Open:	1974	1998 Waste-in-Place (tons):	3,219,923
Year Closed:	1997		
B. LANDFILL GAS COLLECTION			
Estimated Methane Generation (mmscf/d):		1.24	
LFG Collection System Status:		Operational	
Current LFG Collected (mmscf/d):			
Collection and Treatment System Required Under NSPS/EG:		No	
C. LANDFILL GAS UTILIZATION			
Current Utilization:			
Utilization System Status:	Unknown		
Utilization System Type:	Unknown		
Utilization System Start Year:			
Electric Utility Provider(s):			
Natural Gas Provider(s):			
Energy Purchaser(s):			
Capacity:	Electricity Generation Project (MW)	OR	Direct Use Project (mmBtu/hr)
Estimated Potential Capacity:	4		39
Current Capacity:			
Planned Capacity:	1.3		10
Utilities in County: Cobb Electric Membership Corp; College Park Elec Syst; Coweta-Fayette Elec Memb Coop; East Poi			
D. ENVIRONMENTAL BENEFITS OF UTILIZATION			
	<i>Potential</i>		<i>Current</i>
Methane Reduction (tons/yr):	7,178		0
CO2 Equivalent of CH4 Reduction (tons/yr):	150,742		0
Emissions Avoided by Fossil Fuel Displacement:	<i>Electricity Generation Project</i>		<i>Direct Use Project</i>
	CO2 (tons/yr)	SO2 (tons/yr)	CO2 (tons/yr) SO2 (tons/yr)
Coal:	30,782	195	21,616 197
Fuel Oil:	25,264	163	17,742 103
Natural Gas:	16,988	0	11,930 0
E. CONTACT INFORMATION			
Landfill Owner		Landfill Operator	
Contact Name:	Dave Peters, Chief Environmental Officer	Dave Peters, Chief Environmental Officer	
Mailing Address:	68 Mitchell Street, S.W. Suite 2400, City Hall South	68 Mitchell Street, S.W. Suite 2400, City Hall South	
Phone Number:	404-330-6250	404-330-6250	
Fax Number:	404-658-7552	404-658-7552	

* *Italicized indicates values estimated by EPA.*

BFI-Roberts Road		Landfill Category: Candidate	
A. GENERAL LANDFILL INFORMATION			
Landfill Owner:	BFI	Annual Acceptance Rate (tons):	0
Landfill Owner Type:	Private	Year Annual Acceptance Rate Reported:	1998
Alternative Landfill Name:		Design Capacity (tons):	1,254,349
City:	Atlanta	Acres Currently Landfilled (acres):	50
County:	Fayette	Average Depth (feet):	35
State:	GA	Waste-in-Place (tons):	4,214,375
Year Open:	1980	1998 Waste-in-Place (tons):	3,933,416
Year Closed:	1993		
B. LANDFILL GAS COLLECTION			
Estimated Methane Generation (mmscf/d):	1.42		
LFG Collection System Status:	Operational		
Current LFG Collected (mmscf/d):	1.4		
Collection and Treatment System Required Under NSPS/EG:	No		
C. LANDFILL GAS UTILIZATION			
Current Utilization:			
Utilization System Status:	Planned		
Utilization System Type:	Unknown		
Utilization System Start Year:	2000		
Electric Utility Provider(s):	GA Power		
Natural Gas Provider(s):			
Energy Purchaser(s):			
Capacity:	Electricity Generation Project (MW)	OR	Direct Use Project (mmBtu/hr)
Estimated Potential Capacity:	5		45
Current Capacity:			
Planned Capacity:	2.4		19
Utilities in County: Central Georgia El Member Corp; Coweta-Fayette Elec Memb Coop; Georgia Power Company; Grey			
D. ENVIRONMENTAL BENEFITS OF UTILIZATION			
	<i>Potential</i>		<i>Current</i>
Methane Reduction (tons/yr):	8,233		5,396
CO2 Equivalent of CH4 Reduction (tons/yr):	172,899		113,320
Emissions Avoided by Fossil Fuel Displacement:	<i>Electricity Generation Project</i>		<i>Direct Use Project</i>
	CO2 (tons/yr)	SO2 (tons/yr)	CO2 (tons/yr) SO2 (tons/yr)
Coal:	35,517	225	24,794 226
Fuel Oil:	29,151	188	20,349 119
Natural Gas:	19,602	0	13,683 0
E. CONTACT INFORMATION			
Landfill Owner		Landfill Operator	
Contact Name:	John Bean, Director of Marketing	John Bean	
Mailing Address:	757 North Eldridge	757 North Eldridge	
Phone Number:	281-870-7450	281-870-7450	
Fax Number:	504-686-0189	281-584-8043	

* Italicized indicates values estimated by EPA.

Baker Place Road		Landfill Category: Candidate	
A. GENERAL LANDFILL INFORMATION			
Landfill Owner:	Columbia County	Annual Acceptance Rate (tons):	70,000
Landfill Owner Type:	Public	Year Annual Acceptance Rate Reported:	1998
Alternative Landfill Name:	Columbia County-Baker Place Road	Design Capacity (tons):	2,240,842
City:	Grovetown	Acres Currently Landfilled (acres):	75
County:	Columbia	Average Depth (feet):	65
State:	GA	1998 Waste-in-Place (tons):	2,395,800
Year Open:	1982	1998 Waste-in-Place (tons):	2,395,800
Year Closed:	2005		
B. LANDFILL GAS COLLECTION			
Estimated Methane Generation (mmscf/d):	1.03		
LFG Collection System Status:	None		
Current LFG Collected (mmscf/d):	0.0		
Collection and Treatment System Required Under NSPS/EG:	No		
C. LANDFILL GAS UTILIZATION			
Current Utilization:			
Utilization System Status:	Potential		
Utilization System Type:	Unknown		
Utilization System Start Year:			
Electric Utility Provider(s):			
Natural Gas Provider(s):			
Energy Purchaser(s):	John Deere Assembly Plant, Serta Mattress C		
Capacity:	Electricity Generation Project (MW)	OR	Direct Use Project (mmBtu/hr)
Estimated Potential Capacity:	3		32
Current Capacity:			
Planned Capacity:	1.6		16
Utilities in County:	Georgia Power Company; Jefferson Electric Member Corp; Southeastern Power Admin		
D. ENVIRONMENTAL BENEFITS OF UTILIZATION			
	<i>Potential</i>		<i>Current</i>
Methane Reduction (tons/yr):	5,960		0
CO2 Equivalent of CH4 Reduction (tons/yr):	125,150		0
Emissions Avoided by Fossil Fuel Displacement:	<i>Electricity Generation Project</i>		<i>Direct Use Project</i>
	CO2 (tons/yr)	SO2 (tons/yr)	CO2 (tons/yr) SO2 (tons/yr)
Coal:	25,257	160	17,946 163
Fuel Oil:	20,730	133	14,730 86
Natural Gas:	13,939	0	9,904 0
E. CONTACT INFORMATION			
Landfill Owner		Landfill Operator	
Contact Name:	Don Bartles	Don Bartles	
Mailing Address:	P.O. Box 498	P.O. Box 498	
Phone Number:	706-868-6700	706-868-6700	
Fax Number:			

* *Italicized indicates values estimated by EPA.*



Chambers-Bolton Road		Landfill Category: Candidate	
A. GENERAL LANDFILL INFORMATION			
Landfill Owner:	USA Waste	Annual Acceptance Rate (tons):	61,408
Landfill Owner Type:	Private	Year Annual Acceptance Rate Reported:	1994
Alternative Landfill Name:		Design Capacity (tons):	
City:	Atlanta	Acres Currently Landfilled (acres):	23
County:	Fulton	Average Depth (feet):	
State:	GA	Waste-in-Place (tons):	
Year Open:	1991	1998 Waste-in-Place (tons):	375,294
Year Closed:	2001		
B. LANDFILL GAS COLLECTION			
Estimated Methane Generation (mmscf/d):		0.13	
LFG Collection System Status:			
Current LFG Collected (mmscf/d):			
Collection and Treatment System Required Under NSPS/EG:		No	
C. LANDFILL GAS UTILIZATION			
Current Utilization:			
Utilization System Status:	Planned		
Utilization System Type:	Direct Thermal		
Utilization System Start Year:	1999		
Electric Utility Provider(s):			
Natural Gas Provider(s):			
Energy Purchaser(s):	Blue Circle Cement		
Capacity:	Electricity Generation Project (MW)	OR	Direct Use Project (mmBtu/hr)
Estimated Potential Capacity:	0		4
Current Capacity:			
Planned Capacity:			
Utilities in County: Cobb Electric Membership Corp; College Park Elec Syst; Coweta-Fayette Elec Memb Coop; East Poi			
D. ENVIRONMENTAL BENEFITS OF UTILIZATION			
	<i>Potential</i>		<i>Current</i>
Methane Reduction (tons/yr):	767		0
CO2 Equivalent of CH4 Reduction (tons/yr):	16,103		0
Emissions Avoided by Fossil Fuel Displacement:	<i>Electricity Generation Project</i>		<i>Direct Use Project</i>
	CO2 (tons/yr)	SO2 (tons/yr)	CO2 (tons/yr) SO2 (tons/yr)
Coal:	3,157	20	2,309 21
Fuel Oil:	2,591	17	1,895 11
Natural Gas:	1,742	0	1,274 0
E. CONTACT INFORMATION			
Landfill Owner		Landfill Operator	
Contact Name:	Jerry Leone	Jerry Leone	
Mailing Address:	2236 Bolton Road	2236 Bolton Road	
Phone Number:	404-799-1047	404-799-1047	
Fax Number:		404-799-1328	

City of Forsyth-Old Brent Road, Phase I&II		Landfill Category:	Candidate
A. GENERAL LANDFILL INFORMATION			
Landfill Owner:	City of Forsyth	Annual Acceptance Rate (tons):	0
Landfill Owner Type:	Public	Year Annual Acceptance Rate Reported:	1998
Alternative Landfill Name:	Diamond Waste, Inc.- Old Brent Road	Design Capacity (tons):	873,423
City:	Forsyth	Acres Currently Landfilled (acres):	42
County:	Monroe	Average Depth (feet):	60
State:	GA	Waste-in-Place (tons):	1,202,706
Year Open:	1977	1998 Waste-in-Place (tons):	1,269,523
Year Closed:	1995		
B. LANDFILL GAS COLLECTION			
Estimated Methane Generation (mmscf/d):	0.74		
LFG Collection System Status:	None		
Current LFG Collected (mmscf/d):	0.0		
Collection and Treatment System Required Under NSPS/EG:	No		
C. LANDFILL GAS UTILIZATION			
Current Utilization:			
Utilization System Status:	None		
Utilization System Type:	Unknown		
Utilization System Start Year:			
Electric Utility Provider(s):			
Natural Gas Provider(s):			
Energy Purchaser(s):			
Capacity:	Electricity Generation Project (MW)	OR	Direct Use Project (mmBtu/hr)
Estimated Potential Capacity:	2		23
Current Capacity:			
Planned Capacity:	0.8		9
Utilities in County:	Amicalola Electric Member Corp; Central Georgia El Member Corp; Forsyth Water & Lt Dept; Geor		
D. ENVIRONMENTAL BENEFITS OF UTILIZATION			
	<i>Potential</i>		<i>Current</i>
Methane Reduction (tons/yr):	4,294		0
CO2 Equivalent of CH4 Reduction (tons/yr):	90,174		0
Emissions Avoided by Fossil Fuel Displacement:	<i>Electricity Generation Project</i>		<i>Direct Use Project</i>
	CO2 (tons/yr)	SO2 (tons/yr)	CO2 (tons/yr) SO2 (tons/yr)
Coal:	18,153	115	12,931 118
Fuel Oil:	14,899	96	10,613 62
Natural Gas:	10,019	0	7,136 0
E. CONTACT INFORMATION			
Landfill Owner		Landfill Operator	
Contact Name:	Paul H. Jossey, Jr.	Paul H. Jossey, Jr.	
Mailing Address:	P.O. Box 1447	P.O. Box 1447	
Phone Number:	912-994-5649	912-994-5649	
Fax Number:			

* *Italicized indicates values estimated by EPA.*



A. GENERAL LANDFILL INFORMATION

Landfill Owner:	City of Columbus	Annual Acceptance Rate (tons):	177,721
Landfill Owner Type:	Public	Year Annual Acceptance Rate Reported:	1994
Alternative Landfill Name:		Design Capacity (tons):	2,521,896
City:	Columbus	Acres Currently Landfilled (acres):	96
County:	Muscogee	Average Depth (feet):	60
State:	GA	Waste-in-Place (tons):	2,354,569
Year Open:	1983	1998 Waste-in-Place (tons):	2,690,936
Year Closed:			

B. LANDFILL GAS COLLECTION

Estimated Methane Generation (mmscf/d):	1.11
LFG Collection System Status:	
Current LFG Collected (mmscf/d):	
Collection and Treatment System Required Under NSPS/EG:	No

C. LANDFILL GAS UTILIZATION

Current Utilization:			
Utilization System Status:	Planned		
Utilization System Type:	Unknown		
Utilization System Start Year:			
Electric Utility Provider(s):			
Natural Gas Provider(s):			
Energy Purchaser(s):	Georgia Power		
Capacity:	Electricity Generation Project (MW)	OR	Direct Use Project (mmBtu/hr)
Estimated Potential Capacity:	4		
Current Capacity:			
Planned Capacity:	3.5		

Utilities in County: Flint Electric Membership Corp; Georgia Power Company; Southeastern Power Admin; Troup Electr

D. ENVIRONMENTAL BENEFITS OF UTILIZATION

	Potential	Current
Methane Reduction (tons/yr):	6,396	0
CO2 Equivalent of CH4 Reduction (tons/yr):	134,316	0
Emissions Avoided by Fossil Fuel Displacement:	Electricity Generation Project	Direct Use Project
	CO2 (tons/yr) SO2 (tons/yr)	CO2 (tons/yr) SO2 (tons/yr)
Coal:	27,625 175	19,261 175
Fuel Oil:	22,673 146	15,808 92
Natural Gas:	15,246 0	10,630 0

E. CONTACT INFORMATION

	Landfill Owner	Landfill Operator
Contact Name:	Jack Aldridge, Deputy Director of Public Services	Jack Aldridge, Deputy Director of Public Services
Mailing Address:	P.O. Box 1340	P.O. Box 1340
Phone Number:	706-653-4159	706-571-4878
Fax Number:		

* *Italicized indicates values estimated by EPA.*

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A. GENERAL LANDFILL INFORMATION

Landfill Owner:	Fayette County	Annual Acceptance Rate (tons):	
Landfill Owner Type:	Public	Year Annual Acceptance Rate Reported:	1998
Alternative Landfill Name:		Design Capacity (tons):	
City:	Fayetteville	Acres Currently Landfilled (acres):	
County:		Average Depth (feet):	
State:	GA	1998 Waste-in-Place (tons):	
Year Open:	1990	1998 Waste-in-Place (tons):	
Year Closed:	1998		

B. LANDFILL GAS COLLECTION

Estimated Methane Generation (mmscf/d):

LFG Collection System Status:

Current LFG Collected (mmscf/d):

Collection and Treatment System Required Under NSPS/EG: No

C. LANDFILL GAS UTILIZATION

Current Utilization:

Utilization System Status: Potential

Utilization System Type: Unknown

Utilization System Start Year:

Electric Utility Provider(s):

Natural Gas Provider(s):

Energy Purchaser(s):

Capacity: Electricity Generation Project (MW) OR Direct Use Project (mmBtu/hr)

Estimated Potential Capacity:

Current Capacity:

Planned Capacity:

Utilities in County:

D. ENVIRONMENTAL BENEFITS OF UTILIZATION

	<i>Potential</i>	<i>Current</i>
<i>Methane Reduction (tons/yr):</i>		
<i>CO2 Equivalent of CH4 Reduction (tons/yr):</i>		
<i>Emissions Avoided by Fossil Fuel Displacement:</i>	<i>Electricity Generation Project</i>	<i>Direct Use Project</i>
	<i>CO2 (tons/yr) SO2 (tons/yr)</i>	<i>CO2 (tons/yr) SO2 (tons/yr)</i>
<i>Coal:</i>		
<i>Fuel Oil:</i>		
<i>Natural Gas:</i>		

E. CONTACT INFORMATION

	Landfill Owner	Landfill Operator
Contact Name:	Kirk Houser, County Engineer	
Mailing Address:	Fayette County Engineering Dept. 140 Stonewall Avenue W., Suite 203	
Phone Number:	770-460-5730	770-461-3142
Fax Number:		

* *Italicized indicates values estimated by EPA.*

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Fleming/Gaissert Road		Landfill Category: Candidate	
A. GENERAL LANDFILL INFORMATION			
Landfill Owner:	Dougherty County	Annual Acceptance Rate (tons):	146,344
Landfill Owner Type:	Public	Year Annual Acceptance Rate Reported:	1998
Alternative Landfill Name:	Dougherty County-Fleming/Gaissert Road	Design Capacity (tons):	2,305,000
City:	Fleming	Acres Currently Landfilled (acres):	
County:	Dougherty	Average Depth (feet):	10
State:	GA	Waste-in-Place (tons):	1,697,700
Year Open:	1982	1998 Waste-in-Place (tons):	1,924,060
Year Closed:	2007		
B. LANDFILL GAS COLLECTION			
Estimated Methane Generation (mmscf/d):	0.91		
LFG Collection System Status:	None		
Current LFG Collected (mmscf/d):	0.0		
Collection and Treatment System Required Under NSPS/EG:	No		
C. LANDFILL GAS UTILIZATION			
Current Utilization:			
Utilization System Status:	None		
Utilization System Type:	Unknown		
Utilization System Start Year:			
Electric Utility Provider(s):			
Natural Gas Provider(s):			
Energy Purchaser(s):			
Capacity:	Electricity Generation Project (MW)	OR	Direct Use Project (mmBtu/hr)
Estimated Potential Capacity:	3		28
Current Capacity:			
Planned Capacity:	2.4		24
Utilities in County: Albany Water, Gas & Light Comm; Georgia Power Company; Mitchell Electric Member Corp; South			
D. ENVIRONMENTAL BENEFITS OF UTILIZATION			
	<i>Potential</i>		<i>Current</i>
Methane Reduction (tons/yr):	5,262		0
CO2 Equivalent of CH4 Reduction (tons/yr):	110,500		0
Emissions Avoided by Fossil Fuel Displacement:	<i>Electricity Generation Project</i>		<i>Direct Use Project</i>
	CO2 (tons/yr)	SO2 (tons/yr)	CO2 (tons/yr) SO2 (tons/yr)
Coal:	22,100	140	15,846 144
Fuel Oil:	18,139	117	13,005 76
Natural Gas:	12,197	0	8,745 0
E. CONTACT INFORMATION			
Landfill Owner		Landfill Operator	
Contact Name:	Gil Barrett	Gil Barrett	
Mailing Address:	2108 Habersham Road P.O. Box 1827	2108 Habersham Road P.O. Box 1827	
Phone Number:	912-431-2121	912-431-2121	
Fax Number:	912-883-1120		

* *Italicized indicates values estimated by EPA.*

Hall County-Allen Creek Phase A			Landfill Category: Candidate	
A. GENERAL LANDFILL INFORMATION				
Landfill Owner:	Hall County, Public Works Department	Annual Acceptance Rate (tons):		
Landfill Owner Type:	Public	Year Annual Acceptance Rate Reported:	1994	
Alternative Landfill Name:		Design Capacity (tons):	1,324,235	
City:	Gainesville (near)	Acres Currently Landfilled (acres):	28	
County:	Hall	Average Depth (feet):	60	
State:	GA	Waste-in-Place (tons):	1,149,551	
Year Open:	1984	1998 Waste-in-Place (tons):	1,326,405	
Year Closed:	1998			
B. LANDFILL GAS COLLECTION				
Estimated Methane Generation (mmscf/d):	0.76			
LFG Collection System Status:	None			
Current LFG Collected (mmscf/d):	0.0			
Collection and Treatment System Required Under NSPS/EG:	No			
C. LANDFILL GAS UTILIZATION				
Current Utilization:				
Utilization System Status:	None			
Utilization System Type:	Unknown			
Utilization System Start Year:				
Electric Utility Provider(s):				
Natural Gas Provider(s):				
Energy Purchaser(s):				
Capacity:	Electricity Generation Project (MW)	OR	Direct Use Project (mmBtu/hr)	
Estimated Potential Capacity:	2		24	
Current Capacity:				
Planned Capacity:	1.5		15	
Utilities in County:	Georgia Power Company; Habersham Elec Member Corp; Jackson Electric Dept; Jackson Electric Me			
D. ENVIRONMENTAL BENEFITS OF UTILIZATION				
	<i>Potential</i>		<i>Current</i>	
Methane Reduction (tons/yr):	4,378		0	
CO2 Equivalent of CH4 Reduction (tons/yr):	91,940		0	
Emissions Avoided by Fossil Fuel Displacement:	<i>Electricity Generation Project</i>		<i>Direct Use Project</i>	
	<i>CO2 (tons/yr)</i>	<i>SO2 (tons/yr)</i>	<i>CO2 (tons/yr)</i>	<i>SO2 (tons/yr)</i>
Coal:	18,943	120	13,184	120
Fuel Oil:	15,547	100	10,821	63
Natural Gas:	10,454	0	7,276	0
E. CONTACT INFORMATION				
Landfill Owner		Landfill Operator		
Contact Name:	Donald Mills	Donald Mills		
Mailing Address:	P.O. Box 1435	P.O. Box 1435		
Phone Number:	770-535-8260	770-535-8260		
Fax Number:	770-531-3945	770-531-3945		

* *Italicized indicates values estimated by EPA.*

Macon Landfill		Landfill Category:	Current
A. GENERAL LANDFILL INFORMATION			
Landfill Owner:	City of Macon	Annual Acceptance Rate (tons):	124,000
Landfill Owner Type:	Public	Year Annual Acceptance Rate Reported:	1998
Alternative Landfill Name:	Macon-Walker Road Phase II	Design Capacity (tons):	2,819,436
City:	Macon	Acres Currently Landfilled (acres):	110
County:	Bibb	Average Depth (feet):	80
State:	GA	1994 Waste-in-Place (tons):	3,500,000
Year Open:	1960	1998 Waste-in-Place (tons):	3,979,322
Year Closed:	2008		
B. LANDFILL GAS COLLECTION			
Estimated Methane Generation (mmscf/d):	1.22		
LFG Collection System Status:	Operational		
Current LFG Collected (mmscf/d):	1.3		
Collection and Treatment System Required Under NSPS/EG:	No		
C. LANDFILL GAS UTILIZATION			
Current Utilization:			
Utilization System Status:	Operational		
Utilization System Type:	Direct Thermal		
Utilization System Start Year:	1986		
Electric Utility Provider(s):			
Natural Gas Provider(s):			
Energy Purchaser(s):			
Capacity:	Electricity Generation Project (MW)	OR	Direct Use Project (mmBtu/hr)
Estimated Potential Capacity:	4		38
Current Capacity:			27
Planned Capacity:			
Utilities in County:	Central Georgia El Member Corp; Flint Electric Membership Corp; Georgia Power Company; Lamar		
D. ENVIRONMENTAL BENEFITS OF UTILIZATION			
	<i>Potential</i>		<i>Current</i>
Methane Reduction (tons/yr):	7,062		5,011
CO2 Equivalent of CH4 Reduction (tons/yr):	148,310		105,225
Emissions Avoided by Fossil Fuel Displacement:	<i>Electricity Generation Project</i>		<i>Direct Use Project</i>
	CO2 (tons/yr)	SO2 (tons/yr)	CO2 (tons/yr) SO2 (tons/yr)
Coal:	29,993	190	21,267 194
Fuel Oil:	24,617	159	17,455 102
Natural Gas:	16,553	0	11,737 0
E. CONTACT INFORMATION			
Landfill Owner		Landfill Operator	
Contact Name:	Larry Brown	Larry Brown	
Mailing Address:	327 Lower Poplar Street	327 Lower Poplar Street	
Phone Number:	912-751-9132	912-745-9131	
Fax Number:			

* *Italicized indicates values estimated by EPA.*

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Richmond County-Dean Bridge Road LF		Landfill Category: Current	
A. GENERAL LANDFILL INFORMATION			
Landfill Owner:	City of Augusta-Richmond County	Annual Acceptance Rate (tons):	165,702
Landfill Owner Type:	Public	Year Annual Acceptance Rate Reported:	1994
Alternative Landfill Name:		Design Capacity (tons):	
City:	Augusta	Acres Currently Landfilled (acres):	560
County:	Richmond	Average Depth (feet):	
State:	GA	Waste-in-Place (tons):	2,326,908
Year Open:	1985	1998 Waste-in-Place (tons):	2,714,726
Year Closed:	2018		
B. LANDFILL GAS COLLECTION			
Estimated Methane Generation (mmscf/d):	1.11		
LFG Collection System Status:	Operational		
Current LFG Collected (mmscf/d):	2.4		
Collection and Treatment System Required Under NSPS/EG:	Yes		
C. LANDFILL GAS UTILIZATION			
Current Utilization:			
Utilization System Status:	Operational		
Utilization System Type:	Direct Thermal		
Utilization System Start Year:	1997		
Electric Utility Provider(s):			
Natural Gas Provider(s):			
Energy Purchaser(s):	Albion-Kaolin Mines		
Capacity:	Electricity Generation Project (MW)	OR	Direct Use Project (mmBtu/hr)
Estimated Potential Capacity:	4		35
Current Capacity:	3.3		33
Planned Capacity:			
Utilities in County:	Georgia Power Company; Jefferson Electric Member Corp; Planters Electric Member Corp; Southeas		
D. ENVIRONMENTAL BENEFITS OF UTILIZATION			
	<i>Potential</i>		<i>Current</i>
Methane Reduction (tons/yr):	6,431		9,251
CO2 Equivalent of CH4 Reduction (tons/yr):	135,053		194,263
Emissions Avoided by Fossil Fuel Displacement:	<i>Electricity Generation Project</i>		<i>Direct Use Project</i>
	CO2 (tons/yr)	SO2 (tons/yr)	CO2 (tons/yr) SO2 (tons/yr)
Coal:	27,625	175	19,367 176
Fuel Oil:	22,673	146	15,895 93
Natural Gas:	15,246	0	10,688 0
E. CONTACT INFORMATION			
Landfill Owner		Landfill Operator	
Contact Name:	Kathy Pace	Kathy Pace	
Mailing Address:		4330 Dean Bridge Road	
Phone Number:		706-592-9634	
Fax Number:	706-592-1658	706-592-1658	

* *Italicized indicates values estimated by EPA.*

Seminole Road Phase II		Landfill Category: Candidate	
A. GENERAL LANDFILL INFORMATION			
Landfill Owner:	De Kalb County	Annual Acceptance Rate (tons):	123,851
Landfill Owner Type:	Public	Year Annual Acceptance Rate Reported:	1998
Alternative Landfill Name:	De Kalb County-Seminole Road	Design Capacity (tons):	1,272,975
City:	Decatur	Acres Currently Landfilled (acres):	59
County:	De Kalb	Average Depth (feet):	40
State:	GA	Waste-in-Place (tons):	3,241,568
Year Open:	1986	1998 Waste-in-Place (tons):	3,830,944
Year Closed:	2012		
B. LANDFILL GAS COLLECTION			
Estimated Methane Generation (mmscf/d):		1.40	
LFG Collection System Status:			
Current LFG Collected (mmscf/d):			
Collection and Treatment System Required Under NSPS/EG:		No	
C. LANDFILL GAS UTILIZATION			
Current Utilization:			
Utilization System Status:	Unknown		
Utilization System Type:	Unknown		
Utilization System Start Year:			
Electric Utility Provider(s):			
Natural Gas Provider(s):			
Energy Purchaser(s):			
Capacity:	Electricity Generation Project (MW)	OR	Direct Use Project (mmBtu/hr)
Estimated Potential Capacity:	4		44
Current Capacity:			
Planned Capacity:	5.6		55
Utilities in County: Georgia Power Company; Snapping Shoals E M C; Southeastern Power Admin; Walton Electric Mem			
D. ENVIRONMENTAL BENEFITS OF UTILIZATION			
	<i>Potential</i>		<i>Current</i>
Methane Reduction (tons/yr):	8,082		0
CO2 Equivalent of CH4 Reduction (tons/yr):	169,718		0
Emissions Avoided by Fossil Fuel Displacement:	<i>Electricity Generation Project</i>		<i>Direct Use Project</i>
	CO2 (tons/yr)	SO2 (tons/yr)	CO2 (tons/yr) SO2 (tons/yr)
Coal:	34,728	220	24,337 221
Fuel Oil:	28,503	184	19,975 116
Natural Gas:	19,166	0	13,431 0
E. CONTACT INFORMATION			
Landfill Owner		Landfill Operator	
Contact Name:	Thomas Black	Thomas Black	
Mailing Address:	1300 Commerce Dr. Room 201	1300 Commerce Dr. Room 201	
Phone Number:	404-294-2927	404-294-2927	
Fax Number:			

* *Italicized indicates values estimated by EPA.*

Southern States-Bolton Road		Landfill Category:	Current
A. GENERAL LANDFILL INFORMATION			
Landfill Owner:	USA Waste	Annual Acceptance Rate (tons):	0
Landfill Owner Type:	Private	Year Annual Acceptance Rate Reported:	1998
Alternative Landfill Name:	Sanifill-Bolton Road	Design Capacity (tons):	1,309,533
City:	Atlanta	Acres Currently Landfilled (acres):	34
County:	Fulton	Average Depth (feet):	100
State:	GA	Waste-in-Place (tons):	1,667,108
Year Open:	1987	1998 Waste-in-Place (tons):	1,798,182
Year Closed:	1995		
B. LANDFILL GAS COLLECTION			
Estimated Methane Generation (mmscf/d):		0.88	
LFG Collection System Status:		Operational	
Current LFG Collected (mmscf/d):			
Collection and Treatment System Required Under NSPS/EG:		No	
C. LANDFILL GAS UTILIZATION			
Current Utilization:			
Utilization System Status:	Operational		
Utilization System Type:	Direct Thermal		
Utilization System Start Year:	1996		
Electric Utility Provider(s):			
Natural Gas Provider(s):			
Energy Purchaser(s):	Blue Circle Cement		
Capacity:	Electricity Generation Project (MW)	OR	Direct Use Project (mmBtu/hr)
Estimated Potential Capacity:	3		27
Current Capacity:	8.9		7
Planned Capacity:			
Utilities in County: Cobb Electric Membership Corp; College Park Elec Syst; Coweta-Fayette Elec Memb Coop; East Poi			
D. ENVIRONMENTAL BENEFITS OF UTILIZATION			
	<i>Potential</i>		<i>Current</i>
Methane Reduction (tons/yr):	5,076		0
CO2 Equivalent of CH4 Reduction (tons/yr):	106,592		0
Emissions Avoided by Fossil Fuel Displacement:	<i>Electricity Generation Project</i>		<i>Direct Use Project</i>
	CO2 (tons/yr)	SO2 (tons/yr)	CO2 (tons/yr) SO2 (tons/yr)
Coal:	21,311	135	15,285 139
Fuel Oil:	17,491	113	12,545 73
Natural Gas:	11,761	0	8,436 0
E. CONTACT INFORMATION			
Landfill Owner		Landfill Operator	
Contact Name:	Jerry Leone	Jerry Leone	
Mailing Address:	2236 Bolton Rd.	2236 Bolton Rd	
Phone Number:	404-799-1047	404-799-1047	
Fax Number:	404-953-1169	404-799-1328	

* *Italicized indicates values estimated by EPA.*

A. GENERAL LANDFILL INFORMATION

Landfill Owner:	U.S.A. Waste	Annual Acceptance Rate (tons):	0
Landfill Owner Type:	Private	Year Annual Acceptance Rate Reported:	1998
Alternative Landfill Name:	Oak Grove	Design Capacity (tons):	1,272,549
City:	Winder	Acres Currently Landfilled (acres):	115
County:	Barrow	Average Depth (feet):	50
State:	GA	1998 Waste-in-Place (tons):	2,838,500
Year Open:	1988	1998 Waste-in-Place (tons):	2,838,500
Year Closed:	1997		

B. LANDFILL GAS COLLECTION

Estimated Methane Generation (mmscf/d):	1.14
LFG Collection System Status:	
Current LFG Collected (mmscf/d):	
Collection and Treatment System Required Under NSPS/EG:	No

C. LANDFILL GAS UTILIZATION

Current Utilization:			
Utilization System Status:	Planned		
Utilization System Type:	Direct Thermal		
Utilization System Start Year:			
Electric Utility Provider(s):			
Natural Gas Provider(s):			
Energy Purchaser(s):	Barrow County Schools, Duckhead		
Capacity:	Electricity Generation Project (MW)	OR	Direct Use Project (mmBtu/hr)
Estimated Potential Capacity:	4		36
Current Capacity:			
Planned Capacity:	1.7		14

Utilities in County: Georgia Power Company; Jackson Electric Dept; Jackson Electric Member Corp; Southeastern Power

D. ENVIRONMENTAL BENEFITS OF UTILIZATION

	<i>Potential</i>		<i>Current</i>	
<i>Methane Reduction (tons/yr):</i>	6,614		0	
<i>CO2 Equivalent of CH4 Reduction (tons/yr):</i>	138,898		0	
<i>Emissions Avoided by Fossil Fuel Displacement:</i>	<i>Electricity Generation Project</i>		<i>Direct Use Project</i>	
	<i>CO2 (tons/yr)</i>	<i>SO2 (tons/yr)</i>	<i>CO2 (tons/yr)</i>	<i>SO2 (tons/yr)</i>
<i>Coal:</i>	28,414	180	19,918	181
<i>Fuel Oil:</i>	23,321	150	16,348	95
<i>Natural Gas:</i>	15,681	0	10,992	0

E. CONTACT INFORMATION

Landfill Owner		Landfill Operator
Contact Name:	Jerry Leone	Jerry Leone
Mailing Address:	2236 Bolton Road	2236 Bolton Road
Phone Number:	404-799-1047	404-799-1047
Fax Number:	770-307-0934	404-799-1328

* *Italicized indicates values estimated by EPA.*

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A. GENERAL LANDFILL INFORMATION

Landfill Owner:	BFI	Annual Acceptance Rate (tons):	673,870
Landfill Owner Type:	Private	Year Annual Acceptance Rate Reported:	1998
Alternative Landfill Name:		Design Capacity (tons):	11,020,396
City:	Buford	Acres Currently Landfilled (acres):	164
County:	Gwinnett	Average Depth (feet):	75
State:	GA	Waste-in-Place (tons):	3,491,863
Year Open:	1987	1998 Waste-in-Place (tons):	4,190,236
Year Closed:	2011		

B. LANDFILL GAS COLLECTION

Estimated Methane Generation (mmscf/d):	1.49
LFG Collection System Status:	None
Current LFG Collected (mmscf/d):	
Collection and Treatment System Required Under NSPS/EG:	No

C. LANDFILL GAS UTILIZATION

Current Utilization:			
Utilization System Status:	Planned		
Utilization System Type:	Reciprocating Engine		
Utilization System Start Year:			
Electric Utility Provider(s):			
Natural Gas Provider(s):			
Energy Purchaser(s):			
Capacity:	Electricity Generation Project (MW)	OR	Direct Use Project (mmBtu/hr)
Estimated Potential Capacity:	5		47
Current Capacity:			
Planned Capacity:	8.0		62

Utilities in County: Buford Electrical Dept; Georgia Power Company; Jackson Electric Dept; Jackson Electric Member C

D. ENVIRONMENTAL BENEFITS OF UTILIZATION

	<i>Potential</i>		<i>Current</i>	
<i>Methane Reduction (tons/yr):</i>	8,613		0	
<i>CO2 Equivalent of CH4 Reduction (tons/yr):</i>	180,875		0	
<i>Emissions Avoided by Fossil Fuel Displacement:</i>	<i>Electricity Generation Project</i>		<i>Direct Use Project</i>	
	<i>CO2 (tons/yr)</i>	<i>SO2 (tons/yr)</i>	<i>CO2 (tons/yr)</i>	<i>SO2 (tons/yr)</i>
<i>Coal:</i>	37,096	235	25,937	236
<i>Fuel Oil:</i>	30,447	196	21,288	124
<i>Natural Gas:</i>	20,473	0	14,314	0

E. CONTACT INFORMATION

Landfill Owner		Landfill Operator
Contact Name:	John Bean, Director of Marketing	John Bean, Director of Marketing
Mailing Address:	757 North Eldridge	757 North Eldridge
Phone Number:	281-870-7450	281-870-7450
Fax Number:		281-584-8043

* *Italicized indicates values estimated by EPA.*

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WMI-BJ Landfill Phase 3&4		Landfill Category: Current	
A. GENERAL LANDFILL INFORMATION			
Landfill Owner:	WMI	Annual Acceptance Rate (tons):	343,753
Landfill Owner Type:		Year Annual Acceptance Rate Reported:	1994
Alternative Landfill Name:		Design Capacity (tons):	2,500,000
City:	Norcross	Acres Currently Landfilled (acres):	120
County:	Gwinnett	Average Depth (feet):	75
State:	GA	1994 Waste-in-Place (tons):	4,627,157
Year Open:	1984	1998 Waste-in-Place (tons):	5,881,470
Year Closed:	2001		
B. LANDFILL GAS COLLECTION			
Estimated Methane Generation (mmscf/d):		1.92	
LFG Collection System Status:		Operational	
Current LFG Collected (mmscf/d):		1.1	
Collection and Treatment System Required Under NSPS/EG:		No	
C. LANDFILL GAS UTILIZATION			
Current Utilization:			
Utilization System Status:	Operational		
Utilization System Type:	Reciprocating Engine		
Utilization System Start Year:	1993		
Electric Utility Provider(s):			
Natural Gas Provider(s):			
Energy Purchaser(s):	Oglethorpe Power Corp		
Capacity:	Electricity Generation Project (MW)	OR	Direct Use Project (mmBtu/hr)
Estimated Potential Capacity:	6		60
Current Capacity:	3.9		30
Planned Capacity:			
Utilities in County: Buford Electrical Dept; Georgia Power Company; Jackson Electric Dept; Jackson Electric Member C			
D. ENVIRONMENTAL BENEFITS OF UTILIZATION			
	<i>Potential</i>		<i>Current</i>
Methane Reduction (tons/yr):	11,114		4,240
CO2 Equivalent of CH4 Reduction (tons/yr):	233,396		89,036
Emissions Avoided by Fossil Fuel Displacement:	<i>Electricity Generation Project</i>		<i>Direct Use Project</i>
	CO2 (tons/yr)	SO2 (tons/yr)	CO2 (tons/yr) SO2 (tons/yr)
Coal:	47,357	299	33,469 305
Fuel Oil:	38,868	250	27,470 160
Natural Gas:	26,136	0	18,471 0
E. CONTACT INFORMATION			
Landfill Owner		Landfill Operator	
Contact Name:	Gordon Layton	Gordon Layton	
Mailing Address:	1189 Henrico Road	1189 Henrico Road	
Phone Number:	770-448-3997	770-448-3997	
Fax Number:			

* *Italicized indicates values estimated by EPA.*

WMI-Live Oak LF		Landfill Category: Candidate	
A. GENERAL LANDFILL INFORMATION			
Landfill Owner:	WMI	Annual Acceptance Rate (tons):	114,000
Landfill Owner Type:		Year Annual Acceptance Rate Reported:	1995
Alternative Landfill Name:		Design Capacity (tons):	10,780,000
City:	Conley	Acres Currently Landfilled (acres):	410
County:	De Kalb	Average Depth (feet):	100
State:	GA	1994 Waste-in-Place (tons):	5,266,000
Year Open:	1985	1998 Waste-in-Place (tons):	7,798,000
Year Closed:	2050		
B. LANDFILL GAS COLLECTION			
Estimated Methane Generation (mmscf/d):	2.41		
LFG Collection System Status:	Operational		
Current LFG Collected (mmscf/d):	1.4		
Collection and Treatment System Required Under NSPS/EG:	No		
C. LANDFILL GAS UTILIZATION			
Current Utilization:			
Utilization System Status:	Planned		
Utilization System Type:	Reciprocating Engine		
Utilization System Start Year:			
Electric Utility Provider(s):			
Natural Gas Provider(s):			
Energy Purchaser(s):			
Capacity:	Electricity Generation Project (MW)	OR	Direct Use Project (mmBtu/hr)
Estimated Potential Capacity:	8		75
Current Capacity:			
Planned Capacity:	3.8		29
Utilities in County: Georgia Power Company; Snapping Shoals E M C; Southeastern Power Admin; Walton Electric Mem			
D. ENVIRONMENTAL BENEFITS OF UTILIZATION			
	<i>Potential</i>		<i>Current</i>
Methane Reduction (tons/yr):	13,948		5,396
CO2 Equivalent of CH4 Reduction (tons/yr):	292,914		113,320
Emissions Avoided by Fossil Fuel Displacement:	<i>Electricity Generation Project</i>		<i>Direct Use Project</i>
	CO2 (tons/yr)	SO2 (tons/yr)	CO2 (tons/yr) SO2 (tons/yr)
Coal:	59,196	374	42,003 382
Fuel Oil:	48,585	313	34,474 201
Natural Gas:	32,669	0	23,181 0
E. CONTACT INFORMATION			
Landfill Owner		Landfill Operator	
Contact Name:	Gordon Layton	Gordon Layton	
Mailing Address:	1189 Henrico Road	1189 Henrico Road	
Phone Number:	770-448-3997	404-361-1182	
Fax Number:			

* *Italicized indicates values estimated by EPA.*

Watts Road LF		Landfill Category: Candidate	
A. GENERAL LANDFILL INFORMATION			
Landfill Owner:	BFI	Annual Acceptance Rate (tons):	
Landfill Owner Type:	Private	Year Annual Acceptance Rate Reported:	
Alternative Landfill Name:	BFI-Watts Road	Design Capacity (tons):	
City:	Atlanta	Acres Currently Landfilled (acres):	55
County:	Fulton	Average Depth (feet):	55
State:	GA	1994 Waste-in-Place (tons):	6,000,000
Year Open:	1970	1998 Waste-in-Place (tons):	6,000,000
Year Closed:	1987		
B. LANDFILL GAS COLLECTION			
Estimated Methane Generation (mmscf/d):	1.95		
LFG Collection System Status:	Operational		
Current LFG Collected (mmscf/d):	2.3		
Collection and Treatment System Required Under NSPS/EG:	No		
C. LANDFILL GAS UTILIZATION			
Current Utilization:			
Utilization System Status:	Planned		
Utilization System Type:	Reciprocating Engine		
Utilization System Start Year:	1999		
Electric Utility Provider(s):	GA Power		
Natural Gas Provider(s):			
Energy Purchaser(s):			
Capacity:	Electricity Generation Project (MW)	OR	Direct Use Project (mmBtu/hr)
Estimated Potential Capacity:	6		61
Current Capacity:			
Planned Capacity:	2.5		19
Utilities in County:	Cobb Electric Membership Corp; College Park Elec Syst; Coweta-Fayette Elec Memb Coop; East Poi		
D. ENVIRONMENTAL BENEFITS OF UTILIZATION			
	<i>Potential</i>		<i>Current</i>
Methane Reduction (tons/yr):	11,289		8,865
CO2 Equivalent of CH4 Reduction (tons/yr):	237,077		186,167
Emissions Avoided by Fossil Fuel Displacement:	<i>Electricity Generation Project</i>		<i>Direct Use Project</i>
	CO2 (tons/yr)	SO2 (tons/yr)	CO2 (tons/yr) SO2 (tons/yr)
Coal:	48,146	304	33,996 309
Fuel Oil:	39,516	254	27,903 163
Natural Gas:	26,571	0	18,762 0
E. CONTACT INFORMATION			
	Landfill Owner	Landfill Operator	
Contact Name:	John Bean, Director of Marketing	John Bean, Director of Marketing	
Mailing Address:	757 North Eldridge	757 North Eldridge	
Phone Number:	281-870-7450	281-870-7450	
Fax Number:	504-686-0189	281-584-8043	

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